## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of the Claims:

- 1-11. (Canceled)
- 12. (Currently Amended) A tricyclic derivative represented by the following <Formula 1> or pharmaceutically acceptable salts thereof:

<Formula 1>

wherein

(1)  $R_1$  is  $-T_1-B_1$ ;

wherein

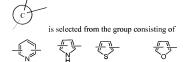
 $T_1$  is  $-N(R_5)C(X_2)$ -, wherein,  $X_2$  is  $O_5$  and  $R_5$  is H or  $C_1[[\ ^{\sim}\ ]]$ - $C_5$  alkyl group; and  $B_1$  is selected from the group consisting of

wherein

 $R_6$  is halogen, hydroxy,  $C_1$ - $C_3$  alkoxy, amino, nitro, cyano or  $C_1$ - $C_3$  lower alkyl group;

R<sub>8</sub> is H, halogen, hydroxy, C<sub>1</sub>-C<sub>3</sub> alkoxy, amino, nitro, cyano or C<sub>1</sub>-C<sub>3</sub> lower alkyl group;

R7 is halogen, hydroxyl, mercapto, -ONO, ONO2 or SNO;



wherein, C1 (pyridyl group) <u>is</u> substituted at position 2 and 6 or position 2 and 5, C7 (pyrrolyl group) <u>is</u> substituted at position 2 and 5 or position 2 and 4, C11 (thiophenyl group) and C12 (furanyl group) <u>are substituted symmetrically or</u> asymetrically:

 $Z_1$  is  $C_1$ - $C_{10}$  straight-chain or branched-chain alkyl group;

 $T_2$  is  $-X_1$ - $C(X_2)$ -, in that  $X_1$  and  $X_2$  are each independently O;

B<sub>2</sub> is selected from the group consisting of:

$$-Z_1 - R_7$$
 (c) and  $-(CH_2)n_2 - (CH_2)n_3 - R_7$ 

 $n_2$  is an integer of 0-3; and

C1

n<sub>3</sub> is an integer of 1-5;

- (2) R<sub>2</sub> and R<sub>3</sub> are each independently H, -PO<sub>3</sub>H<sub>2</sub>, phosphonate, sulfate, C<sub>3</sub>-C<sub>7</sub> cycloalkyl, C<sub>2</sub>-C<sub>7</sub> alkenyl, C<sub>2</sub>-C<sub>7</sub> alkenyl, C<sub>1</sub>-C<sub>7</sub> alkanoyl, C<sub>1</sub>-C<sub>7</sub> straight-chain or branched-chain alkyl or sugar, in which sugar is a monosaccharide such as glucuronyl, glucosyl or galactosyl;
- (3)  $R_4$  is OCH<sub>3</sub>, SCH<sub>3</sub> or  $NR_{10}R_{11}$ , in which  $R_{10}$  and  $R_{11}$  are each independently H or  $C_{1.5}$  alkvl; and
  - (4) X is O or S.
- 13. (Previously Presented) The tricyclic derivative or pharmaceutically acceptable salts thereof as set forth in claim 12.

wherein

 $R_2$  and  $R_3$  are each independently  $C_3$ - $C_7$  cycloalkyl or  $C_1$ - $C_7$  alkyl; and  $R_4$  is SCH<sub>3</sub> or OCH<sub>3</sub>.

## 14-15. (Canceled)

- 16. (Currently Amended) The tricyclic derivative or pharmaceutically acceptable salts thereof as set forth in claim 12, wherein Z<sub>1</sub> is C<sub>2</sub>[[~]]\_C<sub>3</sub> straight-chain or branched-chain alkyl group or eveloalkyl group having substituent.
- 17. (Currently Amended) A tricyclic derivative or pharmaceutically acceptable salts thereof, wherein the tricyclic derivative comprises:

1)

- 6-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a ]heptalen -7-yl]-nicotineamide;
- 2) 5-nitrooxymethyl-furan-2-carboxylic
- acid-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-amide:
- $\label{lem:condition} 5) \ 6-nitrooxymethyl-pyridine-2-carboxylic \\ acid-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-conditional conditions are also conditionally activated by the conditional conditions of the conditional conditions are also conditionally activated by the conditional conditions of the conditional conditions are also conditional conditional conditions are also conditional conditions and conditional conditions are also conditional conditions and conditional conditions are also conditional conditions and conditional conditions are also conditional conditions are also conditional conditions are also conditional conditions and conditional conditions are also conditional conditional conditions are also conditional conditional conditions are also conditional conditional conditions are also conditional conditional conditions are also conditional conditional conditional conditions are also conditional conditional conditional conditions are also conditional conditional conditional conditional conditions are also conditional conditional$
- 6) 5-nitrooxymethyl-thiophene-2-carboxylic acid-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-amide:

8)

amide;

N-[(7S)-3-ethoxy-1,2-dimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-2-fluoro-3-nitrooxymethyl-benzamide;

9)

2-fluoro-N-[(7S)-3-isopropoxy-1,2-dimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benz o[a]heptalen-7-yl]-3-nitrooxymethyl-benzamide;

10)

2-fluoro-3-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

11)

N-[(7S)-3-cyclopentyloxy-1,2-dimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]h epitalen-7-vl]-2-fluoro-3-nitrooxymethyl-benzamide:

12)

3-fluoro-5-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

13)

N-[(7S)-3-ethoxy-1,2-dimethoxy-10-methyl sulfanyl-9-oxo-5,6,7,9-tetra hydro-benzo[a] heptalen-7-yl]-3-fluoro-5-nitrooxymethyl-benzamide;

14)

3-fluoro-N-[(7S)-3-isopropoxy-1,2-dimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benz o[a]heptalen-7-yl]-5-nitrooxymethyl-benzamide;

15)

N-[(7S)-3-cyclopentyloxy-1,2-dimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]h eptalen-7-yl]-3-fluoro-5-nitrooxymethyl-benzamide;

16)

4-fluoro-3-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

17)

2-fluoro-5-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

18)

3-hydroxy-5-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

19)

3,5-bis-nitrooxymethyl-N-[(78)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzofa]heptalen-7-yl]-benzamide;

20)

2-hydroxy-4-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

21) 4-nitrooxymethyl-thiophene-2-carboxylic acid

[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-amid e;

22) 3-nitrooxymethyl-thiophene-2-carboxylic acid

[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-amid e:

25) 3-nitrooxybenzoic

acid-5-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-pyridine-2-yl-methylester;

26) 4-nitrooxybutyric

acid-5-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-pyridine-2-yl-methylester;

27) 3-nitrooxymethyl-benzoic

acid-6-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-pyridine-2-yl-methylester;

28) 4-nitrooxybutyric

acid-6-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-pyridine-2-yl-methylester;

29) 3-nitrooxymethyl-benzoic

acid-2-[(78)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-phenylester;

30) 4-nitrooxybutyric

acid-2-[(78)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-phenylester;

31) 3-nitrooxymethyl-benzoic

acid-3-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-phenylester;

32) 4-nitrooxybutyric

acid-3-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-phenylester;

33) 3-nitrooxymethyl-benzoic

acid-3-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-benzylester;

34) 4-nitrooxybutyric

acid-3-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl-carbamoyl]-benzylester;

37)

3-fluoro-5-nitrosooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahy dro-benzo[a]heptalen-7-yl]-benzamide;

39)

3-fluoro-5-nitrosothiomethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

40)

3-fluoro-5-nitrooxymethyl-N-[(7S)-1,2,3,10-tetramethoxy-9-oxo-5,6,7,9-tetrahydro-benzo[a] heptalen-7-yl]-benzamide;

42)

3-fluoro-N-methyl-5-nitrooxymethyl-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7,9-tetrahydro-benzo[a]heptalen-7-yl]-benzamide;

43)

2-(3-fluoro-5-nitrooxymethyl-phenyl)-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7, 9-tetrahydro-benzo[a]heptalen-7-yl]-acetamide; or

44)

2-(2-fluoro-5-nitrooxymethyl-phenyl)-N-[(7S)-1,2,3-trimethoxy-10-methylsulfanyl-9-oxo-5,6,7, 9-tetrahydro-benzo[a]heptalen-7-yl]-acetamide.

18. (Previously Presented) An anticancer agent composition or anti-proliferation agent composition comprising the tricyclic derivatives-or pharmaceutically acceptable salts thereof as set forth in claim 12 as an effective ingredient and a pharmaceutically acceptable excipient.

- 19. (Previously Presented) An angiogenesis inhibitor composition comprising the tricyclic derivatives or pharmaceutically acceptable salts thereof as set forth in claim 12 as an effective ingredient and a pharmaceutically acceptable excipient.
- 20. (Previously Presented) An anticancer agent composition or anti-proliferation agent composition comprising the tricyclic derivatives-or pharmaceutically acceptable salts thereof as set forth in claim 17 as an effective ingredient and a pharmaceutically acceptable excipient.
- 21. (Previously Presented) An angiogenesis inhibitor composition comprising the tricyclic derivatives or pharmaceutically acceptable salts thereof as set forth in claim 17 as an effective ingredient and a pharmaceutically acceptable excipient.